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NOTICE OF ALLOWANCE AND FEE(S) DUE

26161 7590 05/15/2009

FISH & RICHARDSON PC P.O. BOX 1022

MINNEAPOLIS, MN 55440-1022

EXAMINER VIVLEMORE, TRACY ANN

PAPER NUMBER ARTHNIT

1635 DATE MAILED: 05/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,434	11/18/2003	Charlotte Albaek Thrue	22460-010001 / 1015US1	7002

TITLE OF INVENTION: OLIGONUCLEOTIDES WITH ALTERNATING SEGMENTS OF LOCKED AND NON-LOCKED NUCLEOTIDES

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV, PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional YES \$755 \$755 08/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence including the delow or directed oth	g the Patent, advance of serwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees wi pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for					
		ock 1 for any change of address)	pape	papers. Each additional paper, such as an assignment or formal drawing, must								
P.O. BOX 1022	ARDSON PC	72009		Cert	ificate	of Mailing or Trans	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.					
							(Depositor's name)					
							(Signature)					
							(Date)					
PISH & RICHARDSON PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022 APPLICATION NO. FILING DATE FIRST NAMED INVINTOR ATTORNEY DOCKET NO. APPLICATION NO. FILING DATE FIRST NAMED INVINTOR ATTORNEY DOCKET NO. IO717.434 I11/8/2003 Charlote Albaek Thrue 22460-010001 / 1015US1 TITLE OF INVENTION: OLIGONUCLEOTIDES WITH ALTERNATING SEGMENTS OF LOCKED AND NON-LOCKED NUCLEOTIDES APPLN. TYPE SMALLENTITY ISSUE FREDUE PUBLICATION FEED UE FREV. PAID ISSUE FRE TOTAL FRESS DUE nonprovisional YES 5755 SO SO \$755 EXAMINER ART INIT CLASS-SIBCLASS VIVLEMORE, TRACY ANN 1635 536-024500 1. Change of correspondence address or indication of "Fee Address" (7) CFR 1.53) Change of correspondence address or indication of "Fee Address" (7) CFR 1.55) Change of correspondence address or change of Correspondence Address from F105891/22 statched. CHORD STATE AND COLOR OF THE ADDRESS OF Change of Correspondence Address from F105891/22 statched. CHORD STATE AND COLOR OF THE ADDRESS OF Change of Correspondence Colores of Correspondence Address from F105891/22 statched. CHORD STATE AND COLOR OF THE ADDRESS OF Change of Correspondence ADDRESS OF Change of Correspondence address for Change of Correspondence ADDRESS OF CHANGE OF COLORES OF			CONFIRMATION NO.									
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CFR 1.363). Change of corresp Address form PTO/Si Address in PTO/Si PFee Address" ind PTO/Sb/47; Rev 0.3-C Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unirecordation as set fort	ondence address (or Cha 3/122) attached. ication (or "Fee Address' 12 or more recent) attach ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp	nge of Correspondence 'Indication form ed. Use of a Customer A TO BE PRINTED ON	(1) the names of up to or agents OR, alternativ (2) the name of a singli registered attorney or a 2 registered patent attor listed, no name will be THE PATENT (print or typ- data will appear on the pa (T a substitute for filing an	3 registered patent rely, e firm (having as a sgent) and the name greys or agents. If n printed. ec) stent. If an assigne assignment.	memb s of u so nam	er a 2er to e is 3	ocument has been filed for					
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a. Applicant claim	s SMALL ENTITY statu	is. See 37 CFR 1.27.										
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if requeeords of the United Sta	ured) will not be accepte tes Patent and Trademark	d from anyone other than the Office.	ne applicant; a regis	tered :	attorney or agent; or th	e assignee or other party in					
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
10/717,434	11/18/2003	Charlotte Albaek Thrue	22460-010001 / 1015US1	7002				
26161	7590 05/15/2009		EXAM	UNER				
FISH & RICHA	RDSON PC		VIVLEMORE, TRACY ANN					
P.O. BOX 1022		ART UNIT	PAPER NUMBER					
MINNEAPOLIS,	MN 55440-1022	1635						

DATE MAILED: 05/15/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 105 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 105 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/717,434 THRUE ET AL. Notice of Allowability Examiner Art Unit Tracy Vivlemore 1635 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the RCE of 3/9/09. The allowed claim(s) is/are 43,48-51,59-70,75-81,86 and 87. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☒ None of the: a) \square All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. \(\subseteq\) Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material

9. Other ____.
/Tracy Vivlemore/
Primary Examiner, Art Unit 1635

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Art Unit: 1635

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anita Meiklejohn on May 5, 2009.

The application has been amended as follows:

In claim 49, the word "had" in line 2 is replaced with the word "has".

In claim 61, the word "on" in line 2 is replaced with the word "one".

In claim 62, the second occurrence of the word "oligonucleotide" in line 1 is deleted

In claim 86, the word "on" in line 2 is replaced with the word "one".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tracy Vivlemore whose telephone number is (571)272-2914. The examiner can normally be reached on Mon-Fri 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James (Doug) Schultz can be reached on 571-272-0763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1635

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tracy Vivlemore Primary Examiner Art Unit 1635

/Tracy Vivlemore/ Primary Examiner, Art Unit 1635



Application/Control No.	
10/717.434	

Examiner Tracy Vivlemore Applicant(s)/Patent under Reexamination THRUE ET AL. Art Unit

1635

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(Assistant Examiner) (Date)	/Tracy Vivlemore/	Total Claims Allowed: 26	5
(Legal Instruments Examiner) (Date)	5/4/09 (Primary Examiner) (Date)	O.G. Print Claim(s) 1	O.G. Print Fig. none
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